16. The method according to claim 14, further comprising the steps of:

obtaining reception data by said computer device from said switch via said telecommunication terminal apparatus, wherein said computer device further comprises a video conferencing mechanism;

dividing, by said computer device, said reception data into image data and speech data;

displaying, by said computer device, said image data on a display screen of said computer device;

sending, by said computer device, said speech data back to said telecommunication terminal apparatus;

assembling, by said computer device, transmission data from said speech data and said image data;

transmitting speech data originating from a microphone of said telecommunication terminal apparatus to said computer device via said first bus system;

transmitting said speech data to said switch via said telecommunication terminal apparatus.

IN THE ABSTRACT:

Please cancel the Abstract on original page 15 and substitute the attached Abstract, page 15, Replacement Page.

REMARKS

The present Amendment revises the specification and claims to conform to United States patent practice, before examination of the present PCT application in the United States National Examination Phase. All of the changes are editorial and applicant believes no new matter is added thereby. The amendment of claims 1-12 and the addition of claims 13-16 is not intended to be a surrender of any of the subject matter of those claims.

Early examination on the merits is respectfully requested.

Submitted by,

Steven H. Noll (Reg. No. 28,982)

Steven H. Noll
Hill & Simpson
A Professional Corporation
85th Floor - Sears Tower
Chicago, Illinois 60606
(312) 876-0200, Ext. 3899
Attorney for Applicant(s)

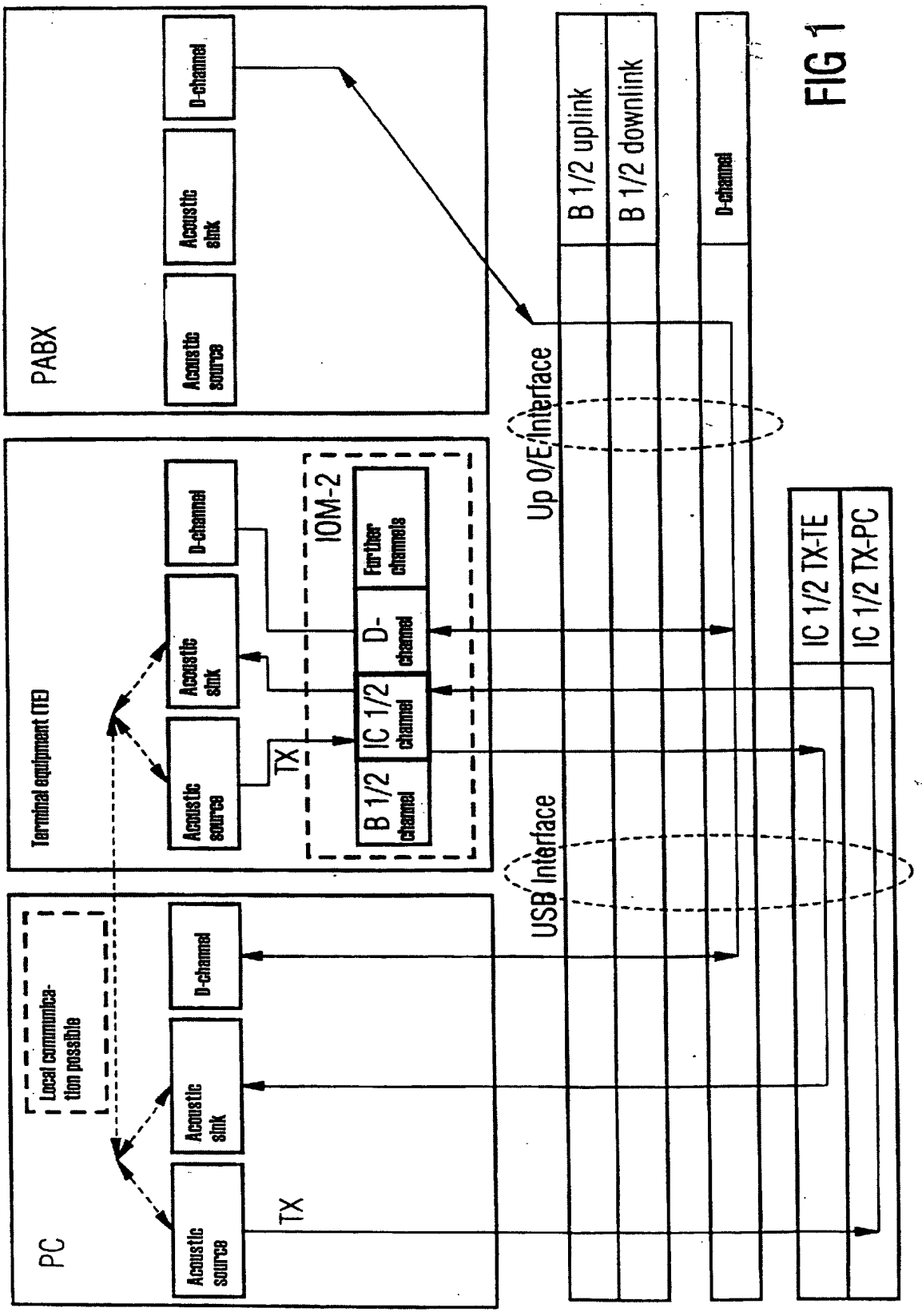

PABX
Acoustic source
Acoustic sink
D-channel
Terminal equipment (TE)
Acoustic source
Acoustic sink
D-channel
TX
IOM-2
B 1/2 channel
IC 1/2 channel
D-channel
Further channels
Up 0/E Interface
B 1/2 uplink
B 1/2 downlink
D-channel
USB Interface
IC 1/2 TX-TE
IC 1/2 TX-PC
PC
Local communication possible
Acoustic source
Acoustic sink
D-channel
TX

FIG 1

FIG 2

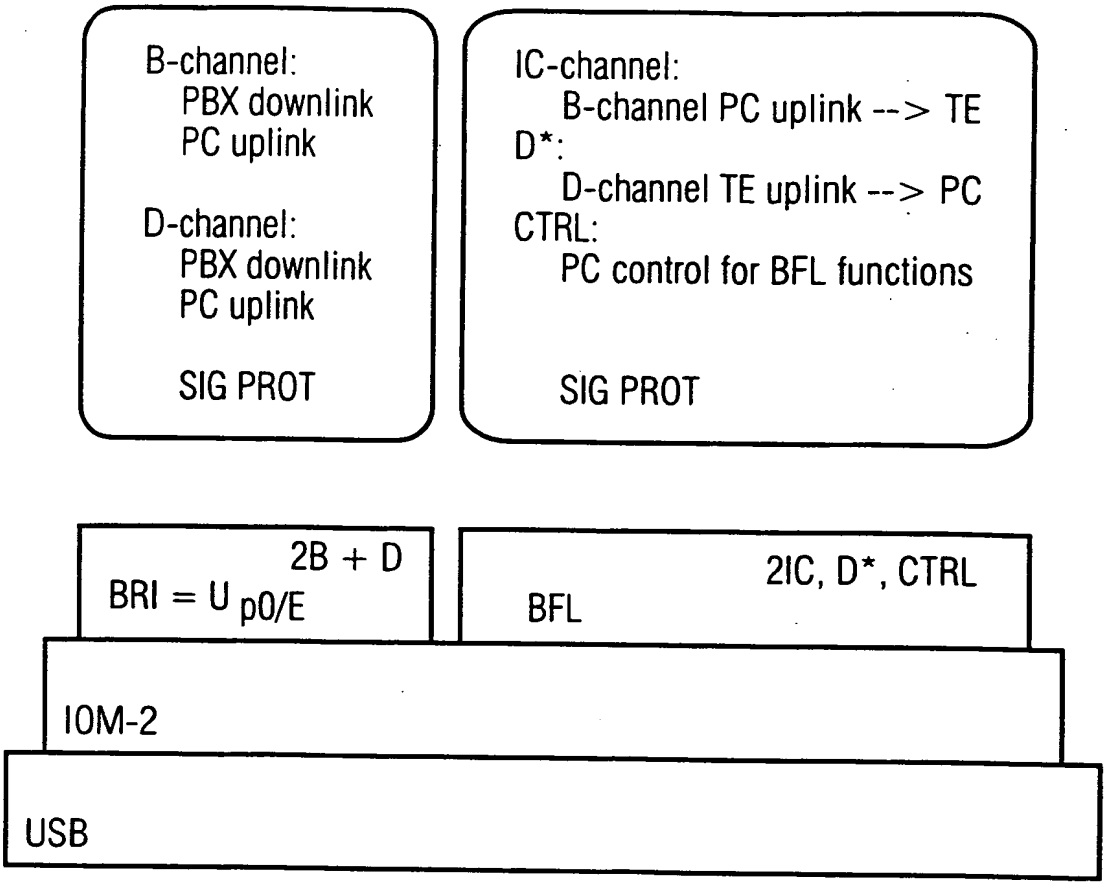

B-channel:
PBX downlink
PC uplink
D-channel:
PBX downlink
PC uplink
SIG PROT
IC-channel:
B-channel PC uplink --> TE
D*:
D-channel TE uplink --> PC
CTRL:
PC control for BFL functions
SIG PROT
2B + D
BRI = U p0/E
2IC, D*, CTRL
BFL
IOM-2
USB

FIG 2

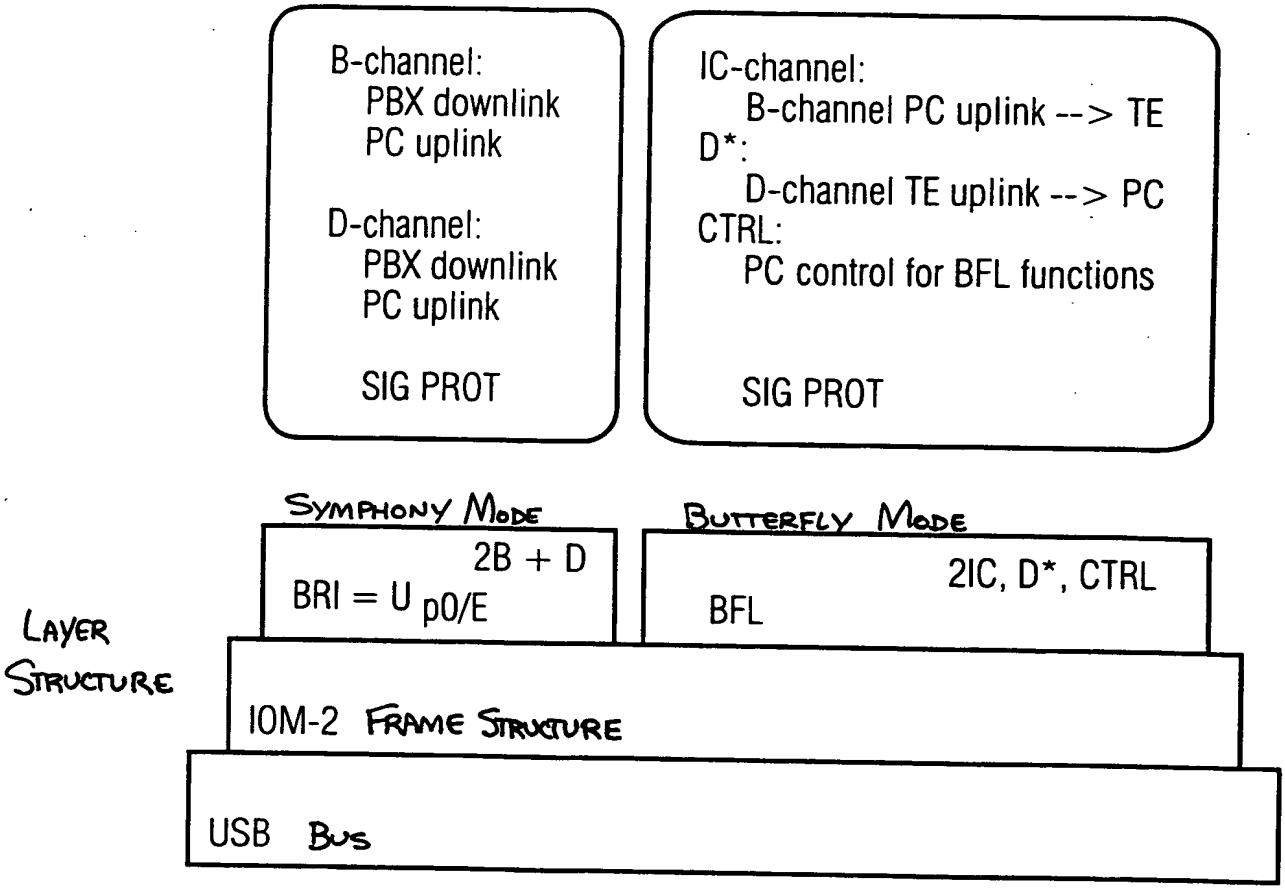

B-channel:
PBX downlink
PC uplink
D-channel:
PBX downlink
PC uplink
SIG PROT
IC-channel:
B-channel PC uplink --> TE
D*:
D-channel TE uplink --> PC
CTRL:
PC control for BFL functions
SIG PROT
SYMPHONY MODE
2B + D
BRI = U p0/E
BUTTERFLY MODE
2IC, D*, CTRL
BFL
LAYER STRUCTURE
IOM-2 FRAME STRUCTURE
USB BUS

FIG 3

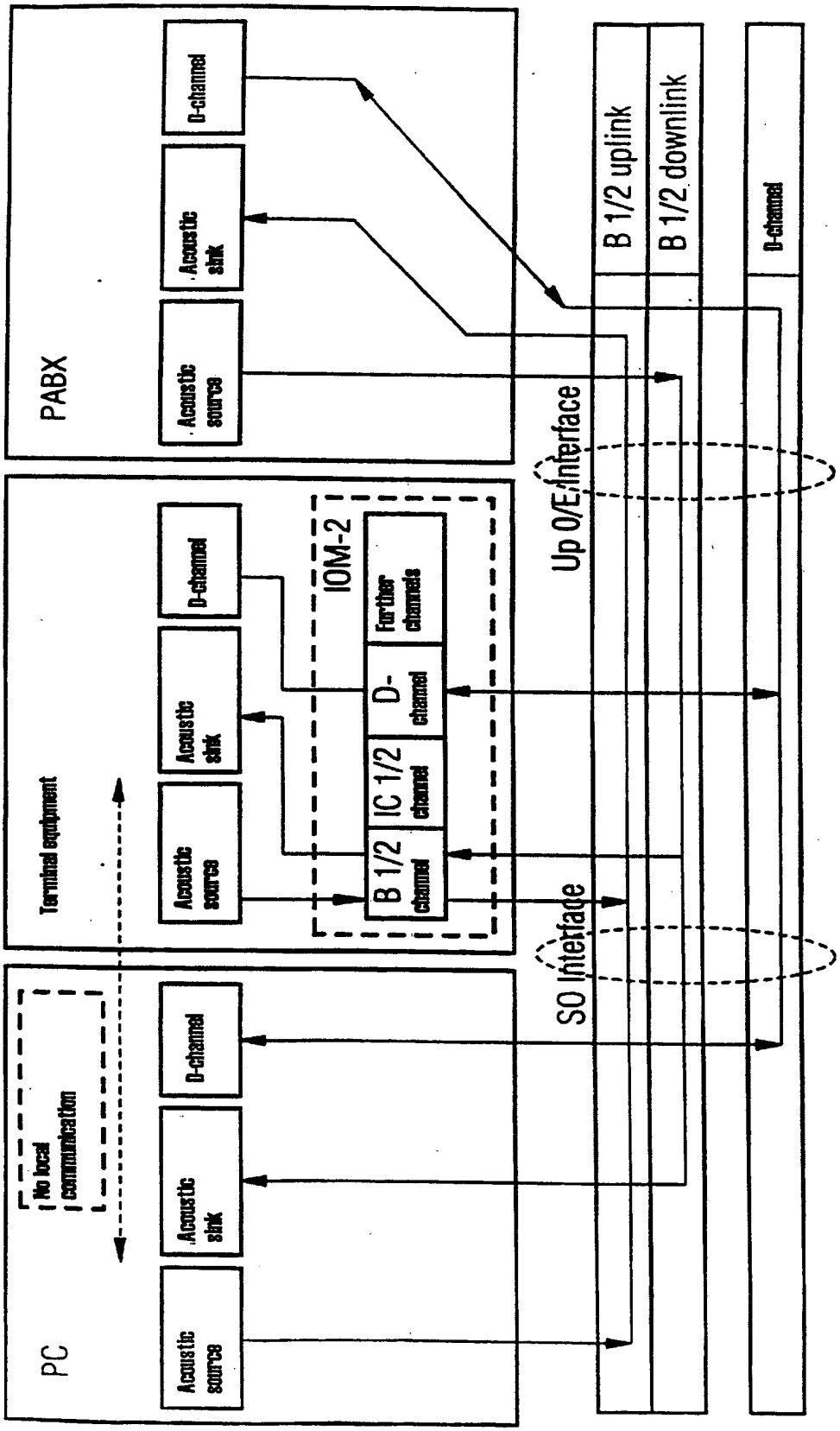

PABX
Acoustic source
Acoustic sink
D-channel
B 1/2 uplink
B 1/2 downlink
D-channel
Up 0/E interface
Terminal equipment
IOM-2
B 1/2 channel
IC 1/2 channel
D-channel
Further channels
Acoustic source
Acoustic sink
D-channel
S0 interface
PC
No local communication
Acoustic source
Acoustic sink
D-channel

FIG 4

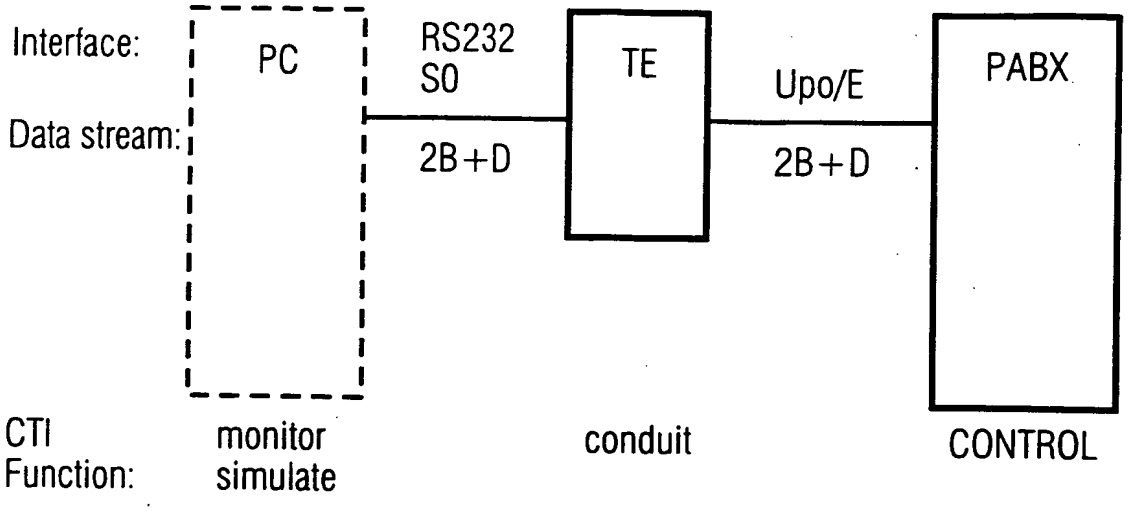

Interface:
Data stream:
PC
RS232
S0
2B+D
TE
Upo/E
2B+D
PABX
CTI
Function:
monitor
simulate
conduit
CONTROL

FIG 5

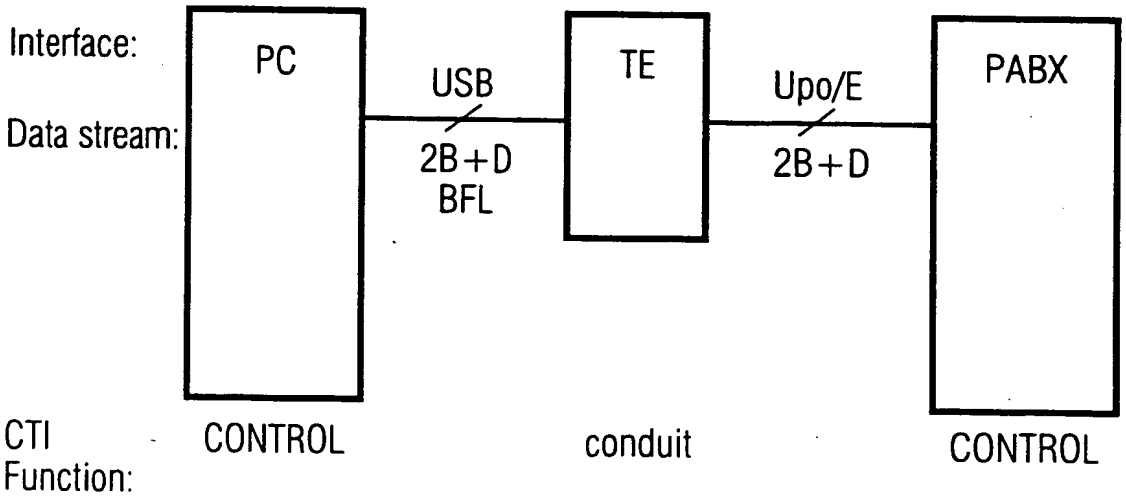

Interface:
Data stream:
PC
USB
2B+D
BFL
TE
Upo/E
2B+D
PABX
CTI
Function:
CONTROL
conduit
CONTROL

FIG 4

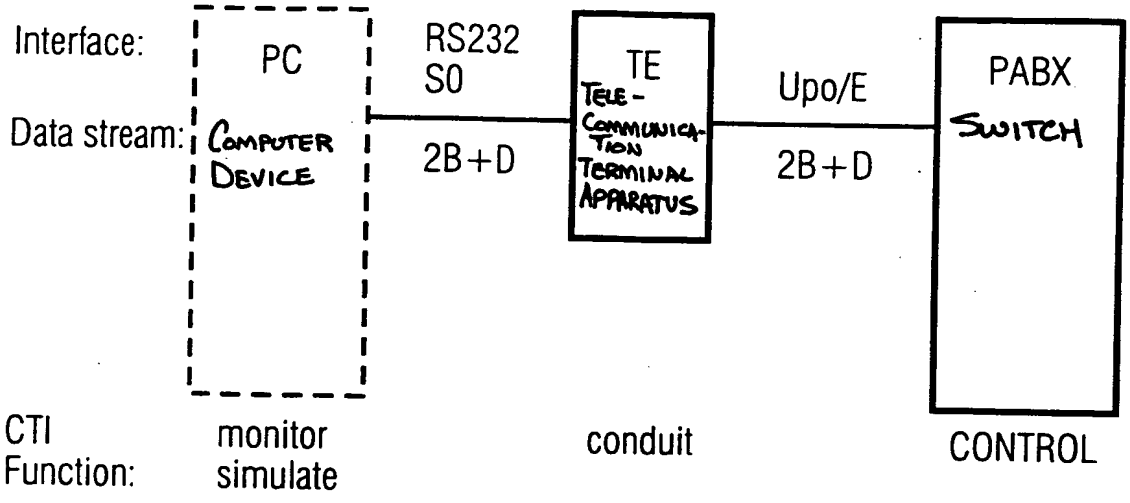
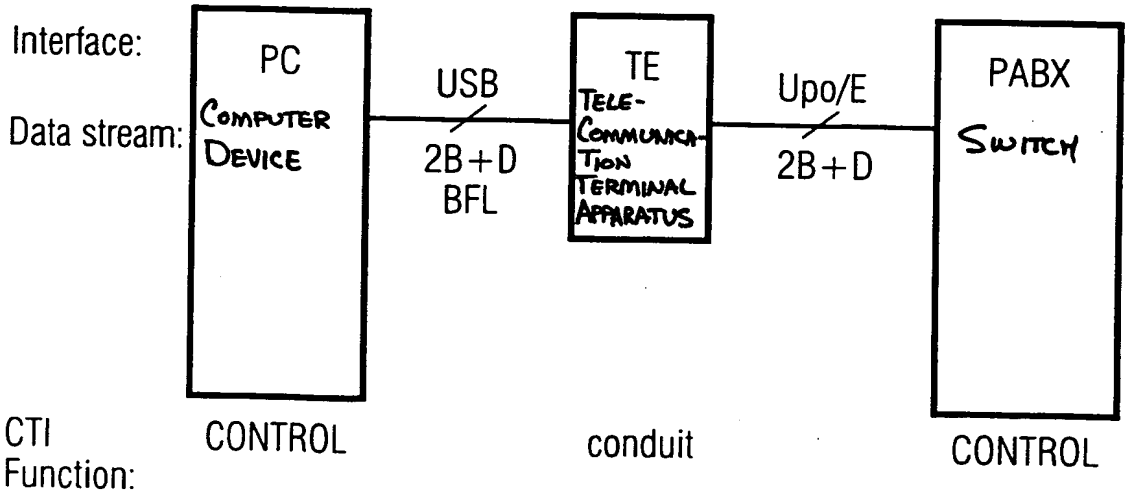
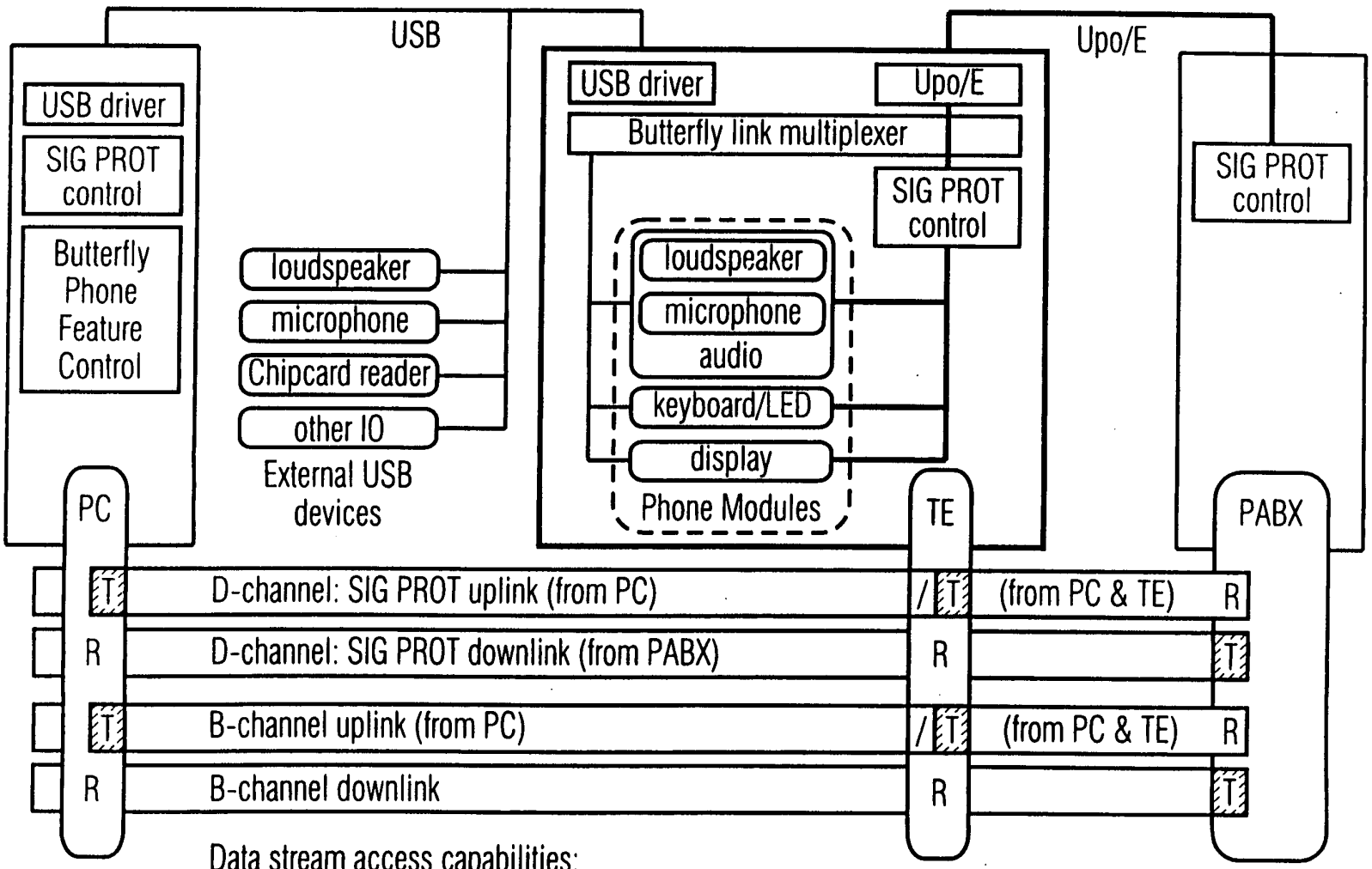

Interface:
Data stream:
PC
COMPUTER DEVICE
RS232
S0
2B+D
TE
TELE-COMMUNICATION TERMINAL APPARATUS
Upo/E
2B+D
PABX
SWITCH
CTI Function:
monitor simulate
conduit
CONTROL

FIG 5


Interface:
Data stream:
PC
COMPUTER DEVICE
USB
2B+D
BFL
TE
TELE-COMMUNICATION TERMINAL APPARATUS
Upo/E
2B+D
PABX
SWITCH
CTI Function:
CONTROL
conduit
CONTROL



Data stream access capabilities:

- data read access: R
- data transmit/send access: T
- no data access: /

FIG 6

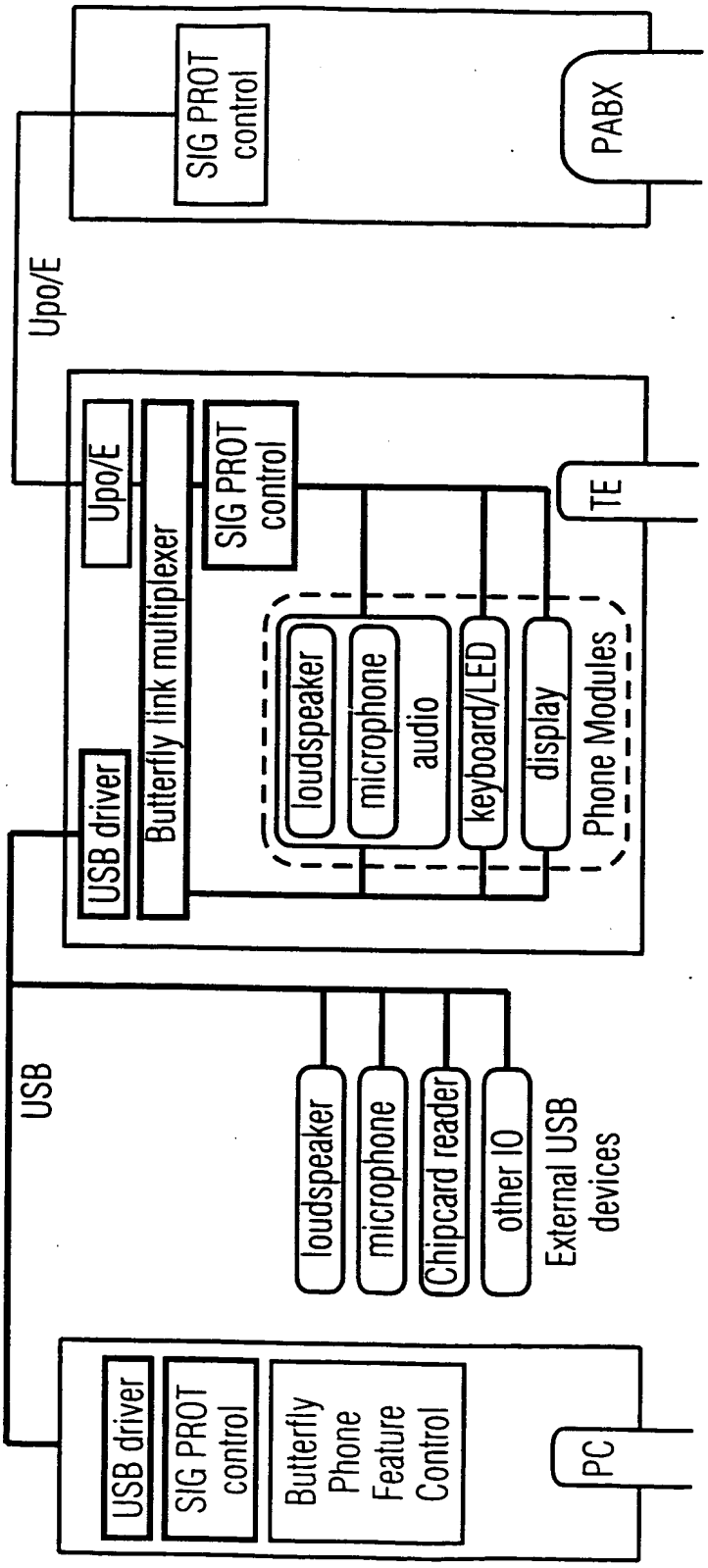
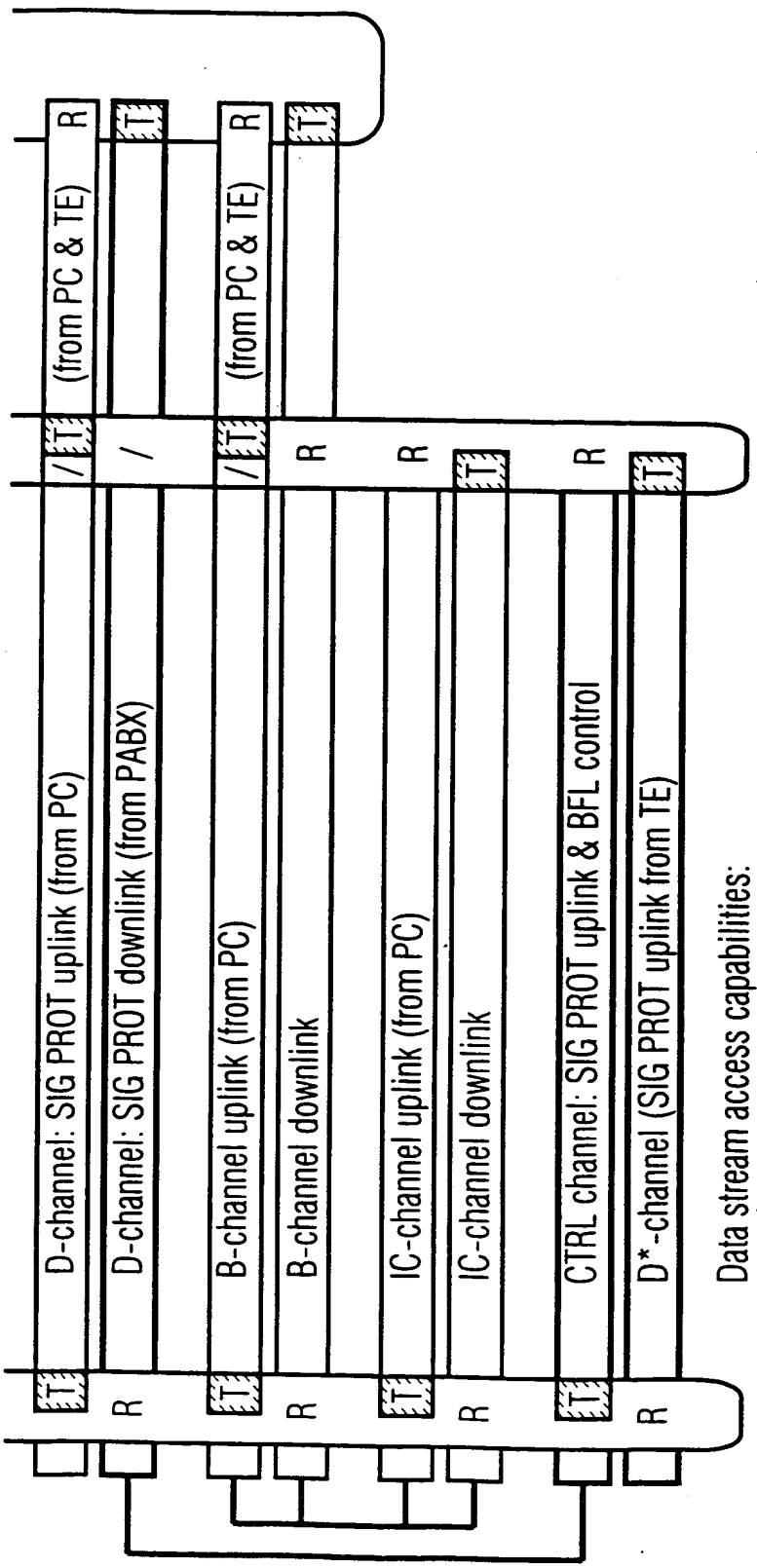

PABX
SIG PROT control
Upo/E
TE
Upo/E
SIG PROT control
USB driver
Butterfly link multiplexer
loudspeaker
microphone
audio
keyboard/LED
display
Phone Modules
USB
loudspeaker
microphone
Chipcard reader
other IO
External USB devices
USB driver
SIG PROT control
Butterfly Phone Feature Control
PC

FIG 7 A

FIG 7 B


D-channel: SIG PROT uplink (from PC)
D-channel: SIG PROT downlink (from PABX)
B-channel uplink (from PC)
B-channel downlink
IC-channel uplink (from PC)
IC-channel downlink
CTRL channel: SIG PROT uplink & BFL control
D*-channel (SIG PROT uplink from TE)
(from PC & TE)
(from PC & TE)
T
R
/
Data stream access capabilities:
• data read access: R
• data transmit/send access: T
• no data access: /